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IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

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(Original) In an infrastructure in which some of a plurality of entities provide 1. cryptographically supported services, a method of registering a subscriber entity of a plurality of entities at a principal entity of a plurality of entities, the method comprising:

the subscriber entity requesting service from the principal entity by sending a request message to a registrar entity of the plurality of entities;

the registrar entity verifying the subscriber entity and forwarding the request for service to the principal entity;

the principal entity storing the forwarded request and transmitting acknowledgement message to the registrar entity, the acknowledgement stating acceptance and authentication/authorization information that the subscriber entity requires for the requested service; and

the registrar entity verifying the authenticity of the received acknowledgement message, and, if correct, forwarding the acknowledgement message to the subscriber entity.

- (Original) A method as in claim 1 wherein the request message contains an 2. indication of the type of service requested by the subscriber entity.
- (Previously presented) A method as in claim 2 wherein the request message 3. contains one or more of the following:
 - (a) a unique reference to the subscriber entity;
 - (b) attributes about the subscriber entity;
 - (c) authentication information to be used to authenticate use of the service;
 - (d) transactional verification information;
 - (e) a representation by the subscriber entity agreeing to what the entity subscriber accepts;
 - (f) a preferred service relationship; and
 - (g) a subscriber entity's authenticator.

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(Previously presented) A method as in claim 3 wherein the unique reference to 4. the subscriber entity is at least one of (a) the subscriber entity's identity, (b) a pseudonym for one-time service, and (c) a pseudonym for continued use of the service

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- (Previously presented) A method as in claim 3 wherein a session identifier 5. links future responses to this particular request.
- (Previously presented) A method as in claim 3 wherein the attributes about the б. subscriber entity include:
 - (a) a self-representation; and
 - (b) a third-party representation asserting attributes.
- (Previously presented) A method as in claim 6 wherein said representation and 7. attribute include at least some of:
 - (a) an address;
 - (b) employment information;
 - (c) information from one or more other entities needed for service provisioning; and
 - (d) an authorization from another party.
 - (Original) A method as in claim 1 further comprising: 8. modifying the registration of the subscriber entity at the principal entity.
- (Original) A method as in claim 1 further comprising: 9. moving the registration for service from the principal entity to another entity of said plurality of entities.
- (Previously presented) A method as in claim 1 wherein the service includes: 10: operating a cryptographically-supported transaction involving the subscriber entity, the principal entity and possibly one or more additional entities.
- (Original) A method as in claim 1 wherein the subscriber entity comprises a 11. plurality of elements.
 - (Original) A method as in claim 11 wherein the plurality of elements are 12.

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associated with an entity.

- 13. (Previously presented) A method as in claim I wherein said service is a subset of a totality of services.
- 14. (Previously presented) A method as in claim 1 wherein said service is a warranty service.
- 15. (Previously presented) A method as in claim 13 wherein another subset of the totality of services to the subscriber entity is provided by an entity different from the principal entity.
- 16. (Original) A method as in claim 15 wherein the subscriber entity can modify the subset of totality of services between entities.
- 17. (Previously presented) A method as in claim 8 wherein modification is supervised by one or more authorities.
- 18. (Previously presented) A method as in claim 9 wherein moving of services is supervised by one or more authorities.
- 19. (Previously presented) A method as in claim 1 wherein provision of service may involve an additional entity from said plurality of entities.
- 20. (Previously presented) A method as in claim 19 wherein provision of service is split between said principal entity and said additional entity.
- 21. (Original) A method as in claim 1 wherein provision of service by said principal entity on behalf of said subscriber entity is given by said operating infrastructure to an entity within said plurality of entities.
- 22. (Original) A method as in claim 1 wherein said provision of service by said principal entity involves other entities within said plurality of entities.

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(Original) A method as in claim 14 wherein said warranty service involves 23. correctness of representation of information.

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- (Previously presented) A method as in claim 23 wherein said representation of 24. information is at least one of: (a) identity information, (b) financial information; and (c) information derived from provision of service within said infrastructure.
- (Previously presented) A method as in claim 14 wherein the infrastructure 25. includes a mechanism to initiate claims against failed warranty.
- (Previously presented) A method as in claim 1 wherein provision of service 26. involves control of access.
- (Original) A method as in claim 1 wherein at least one of said plurality of 27. entities is an enterprise.
- (Original) A method as in claim 1 wherein at least one of said plurality of 28. entities is a financial institute.
- (Original) A method as in claim 1 wherein said principal entity is a group of 29. elementary entities.
- (Previously presented) A method as in claim 1 wherein provision of service by 30. said principal entity is directed by said subscriber entity.
- (Original) A method as in claim 8 wherein registration modification 31. transactions involve managing capabilities.
- (Original) A method as in claim 8 wherein registration modification 32. transactions involve cryptographic key management.
- (Original) A method as in claim 1 further comprising: 33. providing, by the principal entity, at least one of a set of various service transactions to the subscriber entity.

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(Original) A method as in claim 33 wherein said providing involves the 34. certification of digital identities.

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- (Original) A method as in claim 33 wherein at least one of said service 35. transactions involves assuring an entity's state.
- (Original) A method as in claim 33 wherein at least one of said service 36. transactions involves assuring financial information.
- (Original) A method as in claim 33 wherein at least one of said service 37. transactions involves assurance of identity and assurance of entity's state.
- (Previously presented) A method as in claim 1 wherein some of said plurality 38. of entities are supervised by one or more other entities in at least one transaction.
- (Previously presented) A method as in claim 1, wherein service involves a fee 39. based on a service agreement and contract.
- (Previously presented) A method as in claim 1, wherein added management 40. and one or more additional entities assure integrity of transactions within the infrastructure.
- (Previously presented) A method as in claim 40 wherein integrity of the 41. management function is enhanced by providing two or more independent reports.
- (Original) A method as in claim 40 wherein the management function controls 42. actions of assurance offering entities on a per transaction basis.
- (New) In an infrastructure in which some of a plurality of entities provide 43. cryptographically supported services, a method of registering a subscriber entity of a plurality of entities at a principal entity of a plurality of entities, the method comprising:

a registrar entity of the plurality of entities receiving a request message from the subscriber entity requesting service from the principal entity;

the registrar entity verifying the subscriber entity and forwarding the request for

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service to the principal entity for storage by the principal entity; and

the registrar entity receiving from the principal entity an acknowledgement message, the acknowledgement stating acceptance and authentication/authorization information that the subscriber entity requires for the requested service, verifying the authenticity of the received acknowledgement message, and, if correct, forwarding the acknowledgement message to the subscriber entity.

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(New) A method as in claim 43, wherein the service includes: 44.

operating a cryptographically-supported transaction involving the subscriber entity, the principal entity and possibly one or more additional entities.

(New) A method as in claim 43, further comprising: 45.

moving the registration for service from the principal entity to another entity of said plurality of entities.

(New) In an infrastructure in which some of a plurality of entities provide 46. cryptographically supported services, a method of registering a subscriber entity of a plurality of entities at a principal entity of a plurality of entities, the method comprising:

the principal entity receiving from a registrar entity of the plurality of entities a forwarded request by the subscriber entity for service from the principal entity, the request for service sent to the registrar entity by the subscriber entity and the subscriber entity being verified by the registrar entity; and

the principal entity storing the forwarded request and transmitting an and acceptance stating acknowledgement the message, acknowledgement authentication/authorization information that the subscriber entity requires for the requested service, to the registrar entity for verification by the registrar entity of the authenticity of the received acknowledgement message, and, if correct, forwarding the acknowledgement message by the registrar entity to the subscriber entity.

(New) A method as in claim 46, wherein the service includes: 47.

operating a cryptographically-supported transaction involving the subscriber entity, the principal entity and possibly one or more additional entities.

(New) A method as in claim 46, further comprising: 48.

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moving the registration for service from the principal entity to another entity of said plurality of entities.